NATIONAL INSTITUTES OF HEALTH

NIH Roadmap (dollars in millions)

Centers Chemintormatics NHGRI, NLM NOMS, NINDS, NHGRI, NIBB NGMS, NINDS, NHGRI, NIBB NILBI, NIBB, NIBB		Lead	FY 2004	FY 2005
Molecular Libraries and Imaging Sale.		Administrative ICs	Funding	Funding
Creation of NIHB Bloactive Small Molecule Library & Screening Centers Chemintormatics NIGRI, NLM Standard Stand				
Centers Cheminformatics NHGRI, NLM 5.0 7.7				
Chemindromatics	Creation of NIH Bioactive Small Molecule Library & Screening	NIMH, NHGRI	\$15.0	\$38.5
Technology Development NIGMS, NINGS, NIFORI, NIBB 1.3	Centers			
Development of High Resolution Probes for Cellular Imaging NIGMS 1.3 https://doi.org/10.1001/1	Cheminformatics	· ·	5.0	7.5
Marging Probe Database	Technology Development	NIGMS, NINDS, NHGRI, NIBIB	6.5	13.0
Subtotal Nanomedicine Nanomedicine Development Centers Nanomedicine Development Centers Subtotal Nanomedicine Nanomedicine Development Nanomedicine	Development of High Resolution Probes for Cellular Imaging	NIGMS	1.3	5.0
Subtotal, Nanomedicine	Imaging Probe Database	NCI	1.0	1.3
Subtotal, Molecular Libraries and Imaging Subtotal, Molecular Libraries and Imaging Subtotal, Building Blocks, Biological Pathways and Networks NCRR, NIDDK, NCRR 14,8 29,3 Standards for Proteomics and Metabolomics NCRR, NIDDK, NGRR 14,8 29,3 Subtotal, Building Blocks, Biological Pathways and Networks 75,0 29,3 Structural Biology Structural Biology Structural Biology Structural Biology Structural Biology NIGMS 5,0 10,0 Sibinformatics and Computational Biology NIGMS 12,0 24,1 Nanomedicine 0,0 0,0 0,0 Nanomedicine 0,0 0,0 0,0 0,0 Nanomedicine Development Centers NEI 0,3 0,0 0,0 0,0 Nanomedicine Development Centers NEI 0,3 0,0 0,0 0,0 0,0 Nanomedicine Development Centers NEI 0,3 0,0 0,0 0,0 0,0 0,0 0,0 0,0 Nanomedicine Development Centers NEI 0,3 0,0 0		NHLBI		2.0
Building Blocks, Biological Pathways and Networks Metabolomics Technology Development NDDK, NCRR NDDK, NCRR NDDK, NHGRI 0,2 0,3 0,5 Subtotal, Building Blocks, Biological Pathways and Networks Subtotal, Building Blocks, Biological Pathways and Networks Structural Biology Centers for Innovation in Membrane Protein Production NIGMS Siloinformatics and Computational Biology National Centers for Biomedical Computing NIGMS NIGMS 12,0 24,1 Nanomedicine NEI 0,0 0,0 0,0 0,0 0,0 Nanomedicine NEI 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0,		,		67.3
Metabolomics Technology Development NDDK, NCRR 14.8 29.5 Subrotal, Building Blocks, Biological Pathways and Networks 15.0 29.5 Subrotal, Building Blocks, Biological Pathways and Networks NGR, NIDDK, NHGRI 0.2 0.2 Subrotal, Building Blocks, Biological Pathways and Networks NIGMS 5.0 10.0 Bioinformatics and Computational Biology NIGMS 12.0 24.0 Nanomedicine 0.0 0.0 0.0 Nanomedicine 0.0 0.0 0.0 Nanomedicine 0.0 0.0 0.0 Nanomedicine Development Centers NEI 0.3 0.4 Nanomedicine Development Centers NEI 0.3 0.4 Nanomedicine 0.0 0.3 6.1 Subtotal, New Pathways of Discovery 64.1 136.0 Research Teams of the Future NDKR, NGR 9.0 9.1 Interdisciplinary Research Teams of the Future NDKR, NGR 9.0 9.1 Interdisciplinary Research Tenining Initiative NDDK, OBSSR, NIGMS 10.1 17.2 Interdisciplinary Research Tenining Initiative NDDK, OBSSR, NIGMS 10.1 17.2 Interdisciplinary Research Tenining Initiative NDDK, OBSSR, NIGMS 10.1 17.2 Interdisciplinary Research Tenining Initiative NDDK, OBSSR, NIGMS 10.1 17.2 Interdisciplinary Research Tenining Initiative NDDK, OBSSR, NIGMS 10.1 17.2 Interdisciplinary Research Tenining Initiative NDDK, OBSSR, NIGMS 10.1 17.2 Interdisciplinary Research Tenining Initiative NDDK, OBSSR, NIGMS 10.1 17.2 Interdisciplinary Research Tenining Initiative NDDK, OBSSR, NIGMS 10.1 17.2 Interdisciplinary Research Tenining Initiative NDDK, OBSSR, NIGMS 10.1 17.2 Interdisciplinary Research Tenining Initiative NDDK, OBSSR, NIGMS 10.1 17.2 Interdisciplinary Research 10.0 10.0 Interdisciplina				
Standards for Proteomics and Metabolomics Sandards for Proteomics and Metabolomics Structural Biology Stru		NIDDK, NCRR	14.8	29.1
Subtotal, Building Blocks, Biological Pathways and Networks Structural Biology Centers for Innovation in Membrane Protein Production NIGMS Signification of the Innovation in Membrane Protein Production NIGMS Signification of the Innovation in Membrane Protein Production NIGMS Signification of the Innovation in Membrane Protein Production NIGMS Signification of the Innovation in Membrane Protein Production NIGMS Signification of the Innovation in Membrane Protein Production NIGMS Signification of the Innovation in Membrane Protein Production NIGMS Signification of the Innovation in Membrane Protein Production Subtoal, Nanomedicine Nicial O.0 0		NCRR, NIDDK, NHGRI		0.2
Structural Biology Centers for Innovation in Membrane Protein Production Bioinformatics and Computational Biology National Centers for Biomedical Computing NIGMS 12.0 24.0 Nanomedicine Conceptual Planning for Nanomedicine Development Centers NEI 0.0 Nanomedicine Development Centers Subtotal, Nanomedicine Subtotal, Nanomedicine Subtotal, Nanomedicine Subtotal, Nanomedicine NEI 0.0 0.3 0.4 0.4 0.8 0.8 0.9 0.3 0.6 0.7 0.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9				
Centers for Innovation in Membrane Protein Production Bioinformatics and Computational Biology National Centers for Biomedical Computing NIGMS 12.0 24.0 Nanomedicine O.0 O.0 O.0 NIGMS 12.0 24.1 Nanomedicine Conceptual Planning for Nanomedicine Development Centers NEI O.0 Subtotal, Nanomedicine Subtotal, Nanomedicine O.3 O.3 O.6 Subtotal, New Pathways of Discovery Research Teams of the Future Interdisciplinary Research Centers Interdisciplinary Research Centers Interdisciplinary Research Training Initiative NIDDK, OBSSR, NIGMS ODOBSSR 1.0 OLORSSR 1.0 OLORSSR 1.0 OLORSSR 0.0 OLORS			70.0	20.0
Bioinformatics and Computational Biology National Centers for Biomedical Computing NIGMS 12.0 24.0 Nanomedicine Conceptual Planning for Nanomedicine Development Centers NEI 0.0 3.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		NIGMS	5.0	10.0
National Centers for Biomedical Computing NIGMS 12.0 24.0	Control of minoration in Mondratio Froduction		0.0	10.0
Nanomedicine	Bioinformatics and Computational Biology			
Conceptual Planning for Nanomedicine Development Centers NEI Nanomedicine Development Centers Subtotal, Nanomedicine Subtotal, New Pathways of Discovery Research Teams of the Future Interdisciplinary Research Interdisciplinary Research Centers NCR NIDDK, OBSSR, NIGMS NIDCR NIDDKR, OBSSR, NIGMS NIDDKR, OBSSR, NIGMS NIDCR NIDDKR, OBSSR, NIGMS NIDCR NID	National Centers for Biomedical Computing	NIGMS	12.0	24.0
Conceptual Planning for Nanomedicine Development Centers NEI Nanomedicine Development Centers Subtotal, Nanomedicine Subtotal, New Pathways of Discovery Research Teams of the Future Interdisciplinary Research Interdisciplinary Research Centers NCR NIDDK, OBSSR, NIGMS NIDCR NIDDKR, OBSSR, NIGMS NIDDKR, OBSSR, NIGMS NIDCR NIDDKR, OBSSR, NIGMS NIDCR NID				
Name	Nanomedicine		0.0	0.0
Name	Conceptual Planning for Nanomedicine Development Centers	NEI	0.3	0.0
Subtotal, New Pathways of Discovery Research Teams of the Future Interdisciplinary Research Centers Interdisciplinary Research Centers Interdisciplinary Research Centers Interdisciplinary Research Craining Initiative Interdisciplinary Research Training Initiative Interdisciplinary Research Training Initiative Interdisciplinary Research Training Initiative Interdisciplinary Research Training Initiative Interdisciplinary Research Interdisciplinary Res	Nanomedicine Development Centers	NEI	0.0	6.0
Subtotal, New Pathways of Discovery Research Teams of the Future Interdisciplinary Research Centers Interdisciplinary Research Centers Interdisciplinary Research Centers Interdisciplinary Research Training Initiative Interdisciplinary Research Training Initiative Innovation in Interdisciplinary Technology and Methods Removing Structural Barriers to Interdisciplinary Research Research Research Research Program as a Model for Interdisciplinary Research Interdisciplinary Research Research Research Research Research Research Rith Director's Pioneer Awards Research Rith Director's Pioneer Awards Research Rith Director's Pioneer Awards Research Research Research Politor of Contact Do Dosignation of a Central Point of Contact Research Politor Private Partnership Meetings Subtotal, Research Teams of the Future Re-engineering the Clinical Research Teams of the Future Research Politoy Analysis and Coordination Research Politoy Analysis and Coordination Research Research Core Services Dynamic Assessment of Patient-Reported Chronic Disease Outcomes Regional Translational Research Centers Residiative Research Politory and Research Research Research Residinal Research Res	Subtotal, Nanomedicine		0.3	6.0
Research Teams of the Future Interdisciplinary Research Interdisciplinary Research Centers Interdisciplinary Research Centers Interdisciplinary Research Training Initiative Interdisciplinary Research Training Initiative Interdisciplinary Research Training Initiative Interdisciplinary Research Training Initiative Interdisciplinary Research Inte	Subtotal, New Pathways of Discovery	,	64.1	136.6
Interdisciplinary Research Centers Interdisciplinary Research Centers Interdisciplinary Research Centers Interdisciplinary Research Training Initiative Interdisciplinary Research Training Initiative Innovation in Interdisciplinary Technology and Methods Interdisciplinary Technology and Methods Interdisciplinary Research Interdisciplinary Inter				
Interdisciplinary Research Centers Interdisciplinary Research Centers Interdisciplinary Research Centers Interdisciplinary Research Training Initiative Interdisciplinary Research Training Initiative Interdisciplinary Technology and Methods Interdisciplinary Technology and Methods Interdisciplinary Research Interdisciplinary Interdisci				
Interdisciplinary Research Training Initiative NIDDK, OBSSR, NIGMS OD/OBSSR 1.0 1.1 17.2 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0		NCRR	0.0	0.0
Innovation in Interdisciplinary Technology and Methods Removing Structural Barriers to Interdisciplinary Research Using the NIH Intramural Research Program as a Model for Interdisciplinary Research Interagency Conference on the Interface of Life Sciences and Physical Sciences Subtotal, Interdisciplinary Research NIH Director's Pioneer Awards OD				
Removing Structural Barriers to Interdisciplinary Research Using the NIH Intramural Research Program as a Model for Interdisciplinary Research Interdisciplinary Research Interagency Conference on the Interface of Life Sciences and Physical Sciences Subtotal, Interdisciplinary Research NIH Director's Pioneer Awards OD Public-Private Partnerships Designation of a Central Point of Contact High-Level Science Driven Partnership Meetings Subtotal, Public Private Partnerships Subtotal, Research Teams of the Future Re-engineering the Clinical Research Enterprise Clinical Research Policy Analysis and Coordination Partnership and Expanding Clinical Research Networks Translational Research Core Services Dynamic Assessment of Patient-Reported Chronic Disease Outcomes Create a National Clinical Research Associates Program NICHD OD/OIR 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0				
Using the NIH Intramural Research Program as a Model for Interdisciplinary Research Research Research Program as a Model for Interdisciplinary Research Research Research Physical Sciences NIDCR				
Interdisciplinary Research Interagency Conference on the Interface of Life Sciences and Physical Sciences Subtotal, Interdisciplinary Research NIH Director's Pioneer Awards NIH Director Pioneer Awards NIH Director's Pioneer Awards NIH Director P		· ·		
Interagency Conference on the Interface of Life Sciences and Physical Sciences Subtotal, Interdisciplinary Research 20.2 27.2 High-risk Research		OB/OIR	0.0	0.0
Subtotal, Interdisciplinary Research 20.2 27.2		NIDCB	0.1	0.0
Subtotal, Interdisciplinary Research NIH Director's Pioneer Awards OD Public-Private Partnerships Designation of a Central Point of Contact High-Level Science Driven Partnership Meetings Subtotal, Public Private Partnerships Subtotal, Public Private Partnerships Subtotal, Public Private Partnerships Subtotal, Research Teams of the Future Re-engineering the Clinical Research Enterprise Clinical Research Policy Analysis and Coordination Feasibility of Integrating and Expanding Clinical Research Networks Dynamic Assessment of Patient-Reported Chronic Disease Outcomes Regional Translational Research Centers Enhance Clinical Research Training via the National Multi-disciplinary CR Career Development Program and CRTP and MSTP Expansions Create a National Clinical Research Enterprise OD OD OD OD OD OD OD OD OD O		NIDOR	0.1	0.0
High-risk Research NIH Director's Pioneer Awards OD Sublic-Private Partnerships Designation of a Central Point of Contact High-Level Science Driven Partnership Meetings OD Subtotal, Public Private Partnerships Subtotal, Public Private Partnerships Subtotal, Research Teams of the Future Re-engineering the Clinical Research Enterprise Clinical Research Policy Analysis and Coordination Feasibility of Integrating and Expanding Clinical Research Networks Translational Research Core Services Dynamic Assessment of Patient-Reported Chronic Disease Outcomes Regional Translational Research Centers Enhance Clinical Research Centers Enhance Clinical Research Training via the National Multi-disciplinary CR Career Development Program and CRTP and MSTP Expansions Create a National Clinical Research Associates Program NICHD Subtotal, Re-engineering the Clinical Research Enterprise ODD ODOSP 2.0 0D/OSP 2.0 0D/OSP 3.0			20.2	27.0
NIH Director's Pioneer Awards OD Public-Private Partnerships Designation of a Central Point of Contact High-Level Science Driven Partnership Meetings Subtotal, Public Private Partnerships Subtotal, Public Private Partnerships Subtotal, Research Teams of the Future Re-engineering the Clinical Research Enterprise Clinical Research Policy Analysis and Coordination Feasibility of Integrating and Expanding Clinical Research Networks Translational Research Core Services Dynamic Assessment of Patient-Reported Chronic Disease Outcomes Regional Translational Research Centers Enhance Clinical Research Training via the National Multi-disciplinary CR Career Development Program and CRTP and MSTP Expansions Create a National Clinical Research Associates Program NICHD OD OD OD OD OD OD OD OD OD		'	20.2	21.2
Public-Private Partnerships Designation of a Central Point of Contact High-Level Science Driven Partnership Meetings Designation of a Central Point of Contact High-Level Science Driven Partnership Meetings Designation of a Central Point of Contact High-Level Science Driven Partnership Meetings Designation of a Central Point of Contact OD DESIGNATION DE		OD	F 0	11.2
Public-Private Partnerships Designation of a Central Point of Contact High-Level Science Driven Partnership Meetings OD	INITI Director's Pioneer Awards	OB		
Designation of a Central Point of Contact High-Level Science Driven Partnership Meetings Subtotal, Public Private Partnerships Subtotal, Research Teams of the Future Re-engineering the Clinical Research Enterprise Clinical Research Policy Analysis and Coordination Feasibility of Integrating and Expanding Clinical Research Networks Dynamic Assessment of Patient-Reported Chronic Disease Outcomes Enhance Clinical Research Training via the National Multi-disciplinary CR Career Development Program and CRTP and MSTP Expansions Do	Dublic Drivete Deutscachine			
High-Level Science Driven Partnership Meetings Subtotal, Public Private Partnerships Subtotal, Research Teams of the Future Re-engineering the Clinical Research Enterprise Clinical Research Policy Analysis and Coordination Feasibility of Integrating and Expanding Clinical Research Networks Translational Research Core Services Dynamic Assessment of Patient-Reported Chronic Disease Outcomes Regional Translational Research Centers Enhance Clinical Research Training via the National Multi-disciplinary CR Career Development Program and CRTP and MSTP Expansions Create a National Clinical Research Associates Program NICHD 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0		OD		
Subtotal, Public Private Partnerships Subtotal, Research Teams of the Future Re-engineering the Clinical Research Enterprise Clinical Research Policy Analysis and Coordination Feasibility of Integrating and Expanding Clinical Research Networks Translational Research Core Services Dynamic Assessment of Patient-Reported Chronic Disease Outcomes Regional Translational Research Centers Enhance Clinical Research Training via the National Multi-disciplinary CR Career Development Program and CRTP and MSTP Expansions Create a National Clinical Research Associates Program Subtotal, Re-engineering the Clinical Research Enterprise 37.6 Subtotal, Research Teams of the Future 26.6 39.1 26.6 39.1 26.6 39.1 20.0 2.5 NHLBI NIDDK NIAMS NIDDK NIAMS NICHD NICH				
Subtotal, Research Teams of the Future Re-engineering the Clinical Research Enterprise Clinical Research Policy Analysis and Coordination Feasibility of Integrating and Expanding Clinical Research Networks Translational Research Core Services Dynamic Assessment of Patient-Reported Chronic Disease Outcomes Regional Translational Research Centers Enhance Clinical Research Training via the National Multi-disciplinary CR Career Development Program and CRTP and MSTP Expansions Create a National Clinical Research Associates Program Subtotal, Re-engineering the Clinical Research Enterprise 2.0 DD/OSP NHLBI NIDDK NIAMS NICHM NICHM NICHD NICH				0.0
Re-engineering the Clinical Research Enterprise Clinical Research Policy Analysis and Coordination Feasibility of Integrating and Expanding Clinical Research Networks Translational Research Core Services Dynamic Assessment of Patient-Reported Chronic Disease Outcomes Regional Translational Research Centers Enhance Clinical Research Training via the National Multi-disciplinary CR Career Development Program and CRTP and MSTP Expansions Create a National Clinical Research Associates Program NICHD 2.0 NHLBI 18.0 NIDDK 0.4 2.4 NIAMS 5.0 5.0 NCCAM NICHD 9.2 28.9 Create a National Clinical Research Associates Program NICHD 2.8 0.0 0.0 0.1 0.1 0.1 0.1 0.1 0	, ,			
Clinical Research Policy Analysis and Coordination Feasibility of Integrating and Expanding Clinical Research Networks Translational Research Core Services Dynamic Assessment of Patient-Reported Chronic Disease Outcomes Regional Translational Research Centers Enhance Clinical Research Training via the National Multi-disciplinary CR Career Development Program and CRTP and MSTP Expansions Create a National Clinical Research Associates Program Subtotal, Re-engineering the Clinical Research Enterprise OD/OSP NHLBI 18.0 NIDDK NIAMS 5.0 NCCAM NICHD 9.2 2.5 NICHD 0.4 2.6 NICHD 0.3 3.4 0.6 0.6 0.6 0.6 0.6 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7			26.6	39.1
Feasibility of Integrating and Expanding Clinical Research Networks Translational Research Core Services Dynamic Assessment of Patient-Reported Chronic Disease Outcomes Regional Translational Research Centers Enhance Clinical Research Training via the National Multi-disciplinary CR Career Development Program and CRTP and MSTP Expansions Create a National Clinical Research Associates Program Subtotal, Re-engineering the Clinical Research Enterprise NHLBI NIDDK 0.4 2.5 NICAM NICHD 9.2 28.5 0.6 0.7 0.7 0.7 0.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9	Ke-engineering the Clinical Research Enterprise			
Feasibility of Integrating and Expanding Clinical Research Networks Translational Research Core Services Dynamic Assessment of Patient-Reported Chronic Disease Outcomes Regional Translational Research Centers Enhance Clinical Research Training via the National Multi-disciplinary CR Career Development Program and CRTP and MSTP Expansions Create a National Clinical Research Associates Program Subtotal, Re-engineering the Clinical Research Enterprise NHLBI NIDDK NIAMS 18.0 18.5 NICAM NICHD 9.2 28.5 NICHD 0.0 18.5 NICHD 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4	Clinical Research Policy Analysis and Coordination	OD/OSP	2.0	2.9
Translational Research Core Services Dynamic Assessment of Patient-Reported Chronic Disease Outcomes Regional Translational Research Centers Enhance Clinical Research Training via the National Multi-disciplinary CR Career Development Program and CRTP and MSTP Expansions Create a National Clinical Research Associates Program Subtotal, Re-engineering the Clinical Research Enterprise NIDDK NICHM NICHM NICHD O.4 2.4 NICHM NICHD O.3 3.4 NICHD O.0 O.0 O.0 O.0 O.0 O.0 O.0 O.	Feasibility of Integrating and Expanding Clinical Research Networks	NHLBI	18.0	18.5
Dynamic Assessment of Patient-Reported Chronic Disease Outcomes NIAMS 5.0 5.0 Regional Translational Research Centers NCCAM 0.3 3.4 Enhance Clinical Research Training via the National Multi-disciplinary CR Career Development Program and CRTP and MSTP Expansions Create a National Clinical Research Associates Program NICHD 2.8 0.0 Subtotal, Re-engineering the Clinical Research Enterprise 37.6 61.1	Translational Research Core Services	NIDDK		2.4
Regional Translational Research Centers Enhance Clinical Research Training via the National Multi-disciplinary CR Career Development Program and CRTP and MSTP Expansions Create a National Clinical Research Associates Program Subtotal, Re-engineering the Clinical Research Enterprise NCCAM NICHD 9.2 28.9 0.0 0.3 0.3 0.3 0.2 0.6 0.6 0.6 0.7 0.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9		NIAMS		5.0
Enhance Clinical Research Training via the National Multi-disciplinary CR Career Development Program and CRTP and MSTP Expansions Create a National Clinical Research Associates Program Subtotal, Re-engineering the Clinical Research Enterprise NICHD, OD/OIR, NICHD 9.2 28.9 0.0 61.1				
Enhance Clinical Research Training via the National Multi-disciplinary CR Career Development Program and CRTP and MSTP Expansions Create a National Clinical Research Associates Program Subtotal, Re-engineering the Clinical Research Enterprise NICHD, OD/OIR, NICHD 9.2 28.9 0.0 61.1	Regional Translational Research Centers	NCCAM	0.3	3.4
CR Career Development Program and CRTP and MSTP Expansions Create a National Clinical Research Associates Program Subtotal, Re-engineering the Clinical Research Enterprise 37.6 61.1		1		28.9
Create a National Clinical Research Associates Program NICHD 2.8 0.0 Subtotal, Re-engineering the Clinical Research Enterprise 37.6 61.1		,	0.2	20.0
Subtotal, Re-engineering the Clinical Research Enterprise 37.6 61.1	2 24.25. 2010/01/01/11 Togram and Otth and Moth Expansions			
Subtotal, Re-engineering the Clinical Research Enterprise 37.6 61.1	Create a National Clinical Research Associates Program	NICHD	20	0.0
			128.3	236.8